

BEST AVAILABLE COPY**In the Claims:**

Please cancel claims 1, 5, 16, 26, 30, and 42. Please amend claims 2-4, 6-11, 13-14, 17-24, 27-29, 31-36, 38-39, 41, 43-50, and 52-55. The claims are as follows:

1. (Canceled)

2. (Currently amended) The system of claim [[1]] 4, wherein the dataset is a non-SAP-formatted dataset.

3. (Currently amended) The system of claim [[1]] 4, wherein the dataset is a SAP-formatted dataset.

4. (Currently amended) The system of claim 1 A system for generating a report by a reporting tool of a SAP business information system using data included within an Aspect file, said system comprising a non-SAP bridge program adapted to generate the Aspect file through use of data derived from a dataset and to transmit the Aspect file to the SAP business information system, wherein the SAP business information system comprises a[[n]] SAP Executive Information System (EIS).

5. (Cancelled).

6. (Currently amended) The system of claim [[5]] 10, wherein the bridge program is further

adapted to cause the rollup records in the generated Aspect file to be sorted with respect to the keygroup.

7. (Currently amended) The system of claim [[5]] 10, wherein the dataset is a non-SAP-formatted dataset.

8. (Currently amended) The system of claim [[5]] 10, wherein the dataset is a SAP-formatted dataset.

9. (Currently amended) The system of claim [[5]] 10, wherein the bridge program is further adapted to generate a trace file that includes a representative rollup keyvalue of the keygroup and a pointer that points to a portion of the dataset, said portion being correlated with the representative rollup keyvalue.

10. (Currently amended) The system of claim 5 A system for generating a report by a reporting tool of a SAP business information system using data included within an Aspect file having rollup records, said system comprising a non-SAP bridge program adapted to generate the Aspect file through use of data derived from a dataset and to transmit the Aspect file to the SAP business information system, said dataset having a keygroup, wherein to generate the Aspect file includes to roll up a portion of the dataset with respect to the keygroup, wherein each rollup record has a rollup field and a quantity field, wherein the rollup field stores a rollup keyvalue of the keygroup, and wherein the quantity field stores the number of dataset records that have the same rollup

keyvalue, whercin the SAP business information system comprises a[[n]] SAP Executive Information System (EIS).

11. (Currently amended) The system of claim [[5]] 10, whercin the bridge program is further adapted to identify select records of the dataset in accordance with at least one selection rule applied to the dataset, and wherein the portion of the dataset includes the select records so identified.

12. (Original) The system of claim 11, wherein to identify the select records includes to accept as input a first date and a second date, wherein the first date is earlier than the second date, and wherein the selection rules do not permit identifying as a select record any record of the dataset having an effective date that is earlier than the first date or later than the second date.

13. (Currently amended) The system of claim [[5]] 10, wherein the dataset is selected from the group consisting of a table, a spreadsheet, and a combination thereof.

14. (Currently amended) The system of claim [[5]] 10, whercin the report relates to procurement data, and wherein the rollup records include the procurement data.

15. (Original) The system of claim 14, wherein the procurement data is selected from the group consisting of purchase order data, invoice data, and a combination thercof.

16. (Canceled)

17. (Currently amended) The system of claim [[16]] 23, wherein a first dataset of the N datasets is a non-SAP-formatted dataset.

18. (Currently amended) The system of claim [[16]] 23, whercin a first dataset of the N datasets is a SAP-formatted dataset.

19. (Currently amended) The system of claim [[16]] 23, wherein a first dataset of the N datasets and a second dataset of the N datasets have different formats.

20. (Currently amended) The system of claim [[16]] 23, wherein the datasets D₁, D₂, ..., D_N have formats F₁, F₂, ..., F_N, respectively, wherein the at least one bridge program comprises N bridge programs P₁, P₂, ..., P_N respectively keyed to the formats F₁, F₂, ..., F_N for respectively generating the Aspect files A₁, A₂, ..., A_N.

21. (Currently amended) The system of claim [[16]] 23, wherein the datasets D₁, D₂, ..., D_N have formats F₁, F₂, ..., F_N, respectively, and wherein the at least one bridge program consists of one bridge program having logical paths L₁, L₂, ..., L_N respectively keyed to the formats F₁, F₂, ..., F_N for respectively generating the Aspect files A₁, A₂, ..., A_N.

22. (Currently amended) The system of claim [[16]] 23, wherein the selection rules are the same

for each of the N datasets.

23. (Currently amended) The system of claim 16, A system for generating a report by a reporting tool of a SAP business information system using and combining data included within N Aspect files A₁, A₂, ..., A_N respectively having rollup records [R]₁, [R]₂, ..., [R]_N, said N at least 2, said system comprising at least one non-SAP bridge program adapted to respectively generate the N Aspect files through use of data derived from select records [S]₁, [S]₂, ..., [S]_N of N datasets D₁, D₂, ..., D_N, respectively, and to transmit the N Aspect files to the SAP business information system, said select records [S]₁, [S]₂, ..., [S]_N having a common keygroup, wherein to generate the N Aspect files comprises, for I = 1, 2, ..., and N:

to identify the select records [S]_I in accordance with selection rules applied to D_I; and to roll up the select records [S]_I with respect to the common keygroup, wherein the rollup records [R]_I corresponding to [S]_I have a rollup field and a quantity field, wherein the rollup field stores a rollup keyvalue of the select records [S]_I, wherein the quantity field stores the number of select records of [S]_I that have the same rollup keyvalue, and wherein the SAP business information system comprises a[[n]] SAP Executive Information System (EIS).

24. (Currently amended) The system of claim [[16]] 23, wherein the report relates to procurement data, and wherein the rollup records [R]₁, [R]₂, ..., [R]_N include the procurement data.

25. (Original) The system of claim 24, wherein the procurement data is selected from the group consisting of purchase order data, invoice data, and a combination thereof.

26. (Cancelled)

27. (Currently amended) The method of claim [[26]] 29, wherein the dataset is a non-SAP-formatted dataset.

28. (Currently amended) The method of claim [[26]] 29, wherein the dataset is a SAP-formatted dataset.

29. (Currently amended) The method of claim 26 A method for generating a report by a reporting tool of a SAP business information system using data included within an Aspect file, said method comprising executing a non-SAP bridge program, said executing including: generating the Aspect file through use of data derived from a dataset; and transmitting the Aspect file to the SAP business information system, wherein the SAP business information system comprises an SAP Executive Information System (EIS).

30. (Cancelled)

31. (Currently amended) The method of claim [[30]] 35, wherein generating the Aspect file includes causing the rollup records in the generated Aspect file to be sorted with respect to the keygroup.

32. (Currently amended) The method of claim [[30]] 35, wherein the dataset is a non-SAP-

formatted dataset.

33. (Currently amended) The method of claim [[30]] 35, wherein the dataset is a SAP-formatted dataset.

34. (Currently amended) The method of claim [[30]] 35, further comprising generating a trace file that includes a representative rollup keyvalue of the keygroup and a pointer that points to a portion of the dataset, said portion being correlated with the representative rollup keyvalue.

35. (Currently amended) The method of claim 30 A method for generating a report by a reporting tool of a SAP business information system using data included within an Aspect file having rollup records, said method comprising:

providing a dataset having a keygroup; and
executing a non-SAP bridge program, including generating the Aspect file, said
generating comprising rolling up a portion of the dataset with respect to the keygroup, wherein
each rollup record has a rollup field and a quantity field, wherein the rollup field stores a rollup
keyvalue of the keygroup, and wherein the quantity field stores the number of dataset records that
have the same rollup keyvalue, wherein the SAP business information system comprises a[[n]]
SAP Executive Information System (EIS).

36. (Currently amended) The method of claim [[30]] 35, further comprising identifying select records of the dataset in accordance with at least one selection rule applied to the dataset, said

portion of the dataset including the select records so identified.

37. (Original) The method of claim 36, said identifying including accepting as input a first date and a second date, said first date earlier than said second date, said selection rules not permitting said identifying to identify as a select record any record of the dataset having an effective date that is earlier than the first date or later than the second date.

38. (Currently amended) The method of claim [[30]] 35, wherein the dataset is selected from the group consisting of a table, a spreadsheet, and a combination thereof.

39. (Currently amended) The method of claim [[30]] 35, wherein the report relates to procurement data, and wherein the rollup records include the procurement data.

40. (Original) The method of claim 39, wherein the procurement data is selected from the group consisting of purchase order data, invoice data, and a combination thereof.

41. (Currently amended) The method of claim [[30]] 35, further comprising:

transmitting the Aspect file to the SAP business information system where the Aspect file becomes a Temp file having the rollup records;

making a query to sum over the quantity field for a subset of the rollup records of the Temp file, wherein the subset is determined by the query, and wherein the query is adapted to being executed by a SAP module in the SAP computing environment; and

executing the query by the SAP module including returning a result of the query.

42. (Cancelled)

43. (Currently amended) The method of claim [[42]] 49, wherein a first dataset of the N datasets is a non-SAP-formatted dataset.

44. (Currently amended) The method of claim [[42]] 49, wherein a first dataset of the N datasets is a SAP-formatted dataset.

45. (Currently amended) The method of claim [[42]] 49, wherein a first dataset of the N datasets and a second dataset of the N datasets have different formats.

46. (Currently amended) The method of claim [[42]] 49, wherein the datasets D₁, D₂, ..., D_N have formats F₁, F₂, ..., F_N, respectively, wherein the at least one bridge program comprises N bridge programs P₁, P₂, ..., P_N respectively keyed to the formats F₁, F₂, ..., F_N for respectively generating the Aspect files A₁, A₂, ..., A_N.

47. (Currently amended) The method of claim [[42]] 49, wherein the datasets D₁, D₂, ..., D_N have formats F₁, F₂, ..., F_N, respectively, and wherein the at least one bridge program consists of one bridge program having logical paths L₁, L₂, ..., L_N respectively keyed to the formats F₁, F₂, ..., F_N for respectively generating the Aspect files A₁, A₂, ..., A_N.

48. (Currently amended) The method of claim [[42]] 49, wherein the selection rules are the same for each of the N datasets.

49. (Currently amended) The method of claim 42, A method for generating a report by a reporting tool of a SAP business information system using and combining data included within N Aspect files A₁, A₂, ..., A_N respectively having rollup records [R]₁, [R]₂, ..., [R]_N, said N at least 2, said method comprising providing N datasets D₁, D₂, ..., D_N having a common keygroup, and for i = 1, 2, ..., and N executing a non-SAP bridge program, including:

identifying select records [S]_i of the dataset D_i, said identifying in accordance with selection rules applied to D_i; and

rolling up the select records [S]_i with respect to the common keygroup, wherein the rollup records [R]_i corresponding to [S]_i have a rollup field and a quantity field, wherein the rollup field stores a rollup keyvalue of the select records [S]_i, wherein the quantity field stores the number of select records of [S]_i that have the same rollup keyvalue, and wherein the SAP business information system comprises a[[n]] SAP Executive Information System (EIS).

50. (Currently amended) The method of claim [[42]] 49, wherein the report relates to procurement data, and wherein the rollup records [R]₁, [R]₂, ..., [R]_N include the procurement data.

51. (Original) The method of claim 50, wherein the procurement data is selected from the group

consisting of purchase order data, invoice data, and a combination thereof.

52. (Currently amended) The method of claim [[42]] 49, wherein processing the Aspect file A, further includes comprising:

transmitting the Aspect file A, to the SAP business information system where the Aspect file A, becomes a Temp file T, having the rollup records [R], for I = 1, 2, ..., and N; and wherein the method further comprises:

making a query to sum over the quantity field for a subset of the rollup records of the N Temp files in composite, wherein the subset is determined by the query, and wherein the query is adapted to being executed by a SAP module in the SAP computing environment; and

executing the query by the SAP module including returning a result of the query.

53. (Currently amended) A computer program product, comprising a computer usable medium having a computer readable program code embodied therein for generating a report by a reporting tool of a SAP business information system using data included within an Aspect file, said program code comprising a non-SAP bridge program adapted to generate the Aspect file through use of data derived from a dataset and to transmit the Aspect file to the SAP business information system, wherein the SAP business information system comprises an SAP Executive Information System (EIS).

54. (Currently amended) A computer program product, comprising a computer usable medium having a computer readable program code embodied therein for generating a report by a reporting

tool of a SAP business information system using data included within an Aspect file having rollup records, said program code comprising a non-SAP bridge program adapted to generate the Aspect file through use of data derived from a dataset and to transmit the Aspect file to the SAP business information system, said dataset having a keygroup, wherein to generate the Aspect file includes to roll up a portion of the dataset with respect to the keygroup, wherein each rollup record has a rollup field and a quantity field, wherein the rollup field stores a rollup keyvalue of the keygroup, and wherein the quantity field stores the number of dataset records that have the same rollup keyvalue, and wherein the SAP business information system comprises an SAP Executive Information System (EIS).

55. (Currently amended) A computer program product, comprising a computer usable medium having a computer readable program code embodied therein for generating a report by a reporting tool of a SAP business information system using and combining data included within N Aspect files A_1, A_2, \dots, A_N respectively having rollup records $[R]_1, [R]_2, \dots, [R]_N$, said N at least 2, said program code comprising at least one non-SAP bridge program adapted to respectively generate the N Aspect files through use of data derived from select records $[S]_1, [S]_2, \dots, [S]_N$ of N datasets D_1, D_2, \dots, D_N , respectively, and to transmit the N Aspect files to the SAP business information system, said select records $[S]_1, [S]_2, \dots, [S]_N$ having a common keygroup, wherein to generate the N Aspect files comprises, for $I = 1, 2, \dots, \text{and } N$:

to identify the select records $[S]_i$ in accordance with selection rules applied to D_i ; and
to roll up the select records $[S]_i$ with respect to the common keygroup, wherein the rollup records $[R]_i$ corresponding to $[S]_i$ have a rollup field and a quantity field, wherein the rollup field

stores a rollup keyvalue of the select records [S], and wherein the quantity field stores the number of select records of [S], that have the same rollup keyvalue, and wherein the SAP business information system comprises an SAP Executive Information System (EIS).

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- BLACK BORDERS**
- IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- FADED TEXT OR DRAWING**
- BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- SKEWED/SLANTED IMAGES**
- COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- GRAY SCALE DOCUMENTS**
- LINES OR MARKS ON ORIGINAL DOCUMENT**
- REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- OTHER:** _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.